

(19)



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(11)

**EP 0 870 550 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**25.11.1998 Bulletin 1998/48**

(51) Int. Cl.<sup>6</sup>: **B07B 13/00**

(43) Date of publication A2:  
**14.10.1998 Bulletin 1998/42**

(21) Application number: **98105192.3**

(22) Date of filing: **23.03.1998**

(84) Designated Contracting States:  
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **07.04.1997 SE 9701259**

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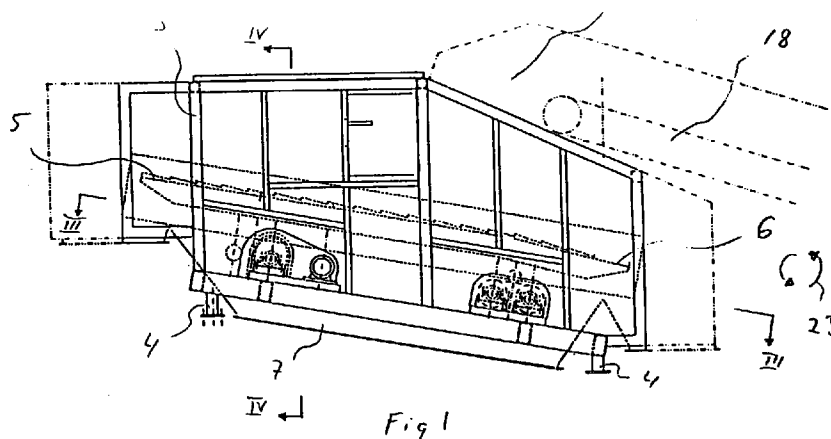
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**(54) Separator for industrial waste**

(57) The present invention relates to a ballistic waste separator. The separator includes an inclining shaker table with at least four screen elements (1). The material mix which is to be separated is released onto the screen elements (1). These execute a rotational movement with an amplitude and at a speed which result in hard material bouncing on the elements (1) and being discharged at the lower end (6) while soft and flexible material which does not bounce against the shaker table migrates upwards and is discharged at the

upper end (5). The screen elements (1) are driven by a drive motor (10) via crankshaft arrangements as a synchronous unit in such a manner that every second element assumes the highest and lowest position simultaneously. Each crankshaft arrangement includes two crankshafts (12) interconnected via an intermediate shaft (13) and a transmission (14). Each crankshaft (12) does not support more than two or three screen elements (1).



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 5192.3

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.6)
X	US 5611435 A (REINHARD GÖSCHL), 18 March 1997 (18.03.97) * column 2, line 63 - column 3, line 52 *	1-2	B07B 13/00
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A	SE 402409 B (AZ SELLBERGS AB), 3 July 1978 (03.07.78) * page 3, line 30 - page 5, line 6 *	1-10	
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			TECHNICAL FIELDS SEARCHED (Int. Cl.6)
			B07B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
STOCKHOLM		8 September 1998	ULLA GRANLUND
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  .....  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P0401)